

Data sheet

RT02509HBLC Type 071, 9-pole

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P/N
31071109

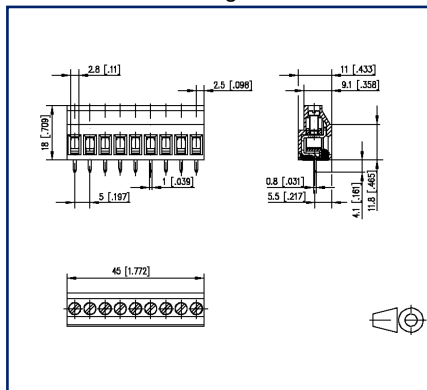
2023/06/26

Version: E

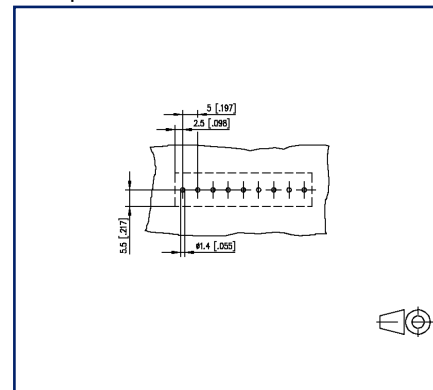
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable
- centerline 5.00 mm, direction of connection 90°
- lift system, fittable without loss of poles
- color black



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Technical Data

General Data

Tightening torque SEV	0.5 Nm		
Tightening torque UL	4.4 lb-in		
Solder pin length	4.1 mm		
pole size	9		
Insulating material class	CTI 600		
clearance/creepage dist.	3.2 mm		
Protection category	IP20		
Min. insul. strip length	8 mm		
Rated current	16 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	200 V	500 V	500 V
Rated test voltage	2.5 kV	2.5 kV	2.5 kV

Terminal data

rat.wiring solid AWGmax	0.34 mm ² - 2.5 mm ² / AWG 22 - AWG 12
rat.wiring strand.AWGmax	0.34 mm ² - 2.5 mm ² / AWG 22 - AWG 12

Approvals

 V / A / AWG	300 / 20 / 22 - 12
approval UL - File No.	E121004
 2.5 mm ²	250 V / 24 A / T60

Material

insulating material	PA66
flammability class	V0
contact material	CuZnPb
Contact surface	Ni + Sn
terminal body thread	M3
terminal body material	CuZnPb
terminal body surface	Ni
screw thread	M3
screw material	8,8

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screw surface	Zn Cr(VI)-frei/free
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
Climatic Data	
upper limit temperature	105 °C
lower limit temperature	-40 °C
general	
Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s

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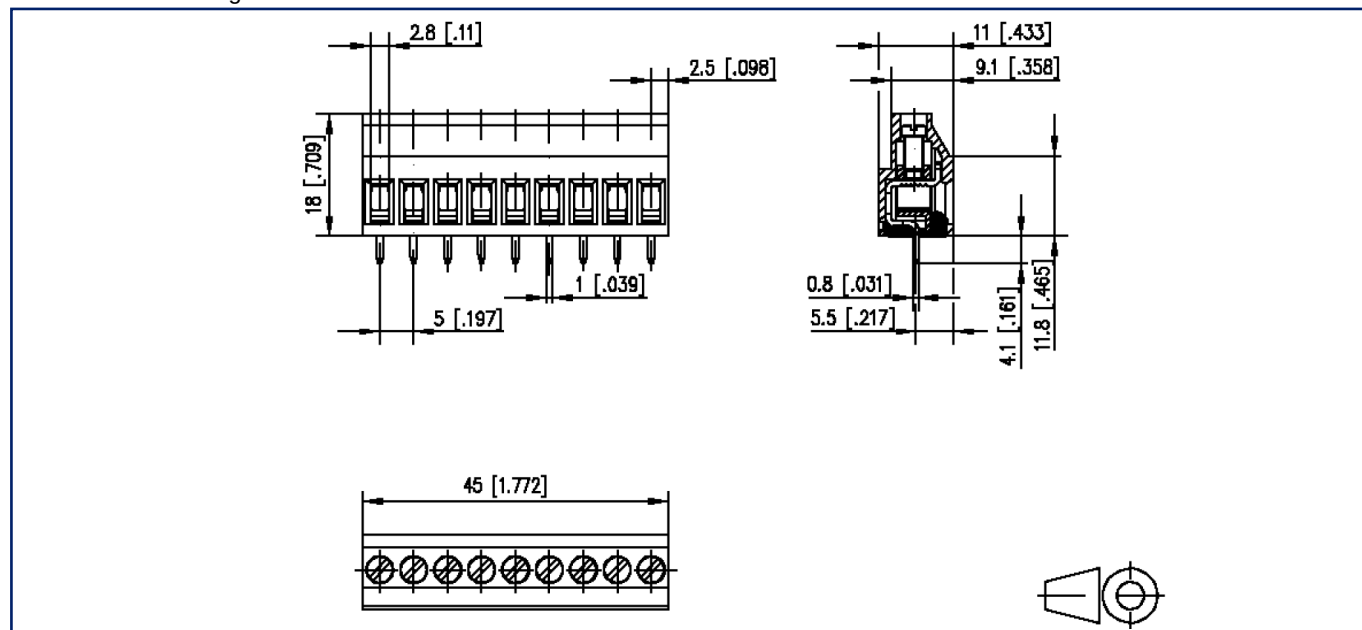
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L=(pole size - 1) x centerline + 5 mm [0.197]

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